

FIG.1

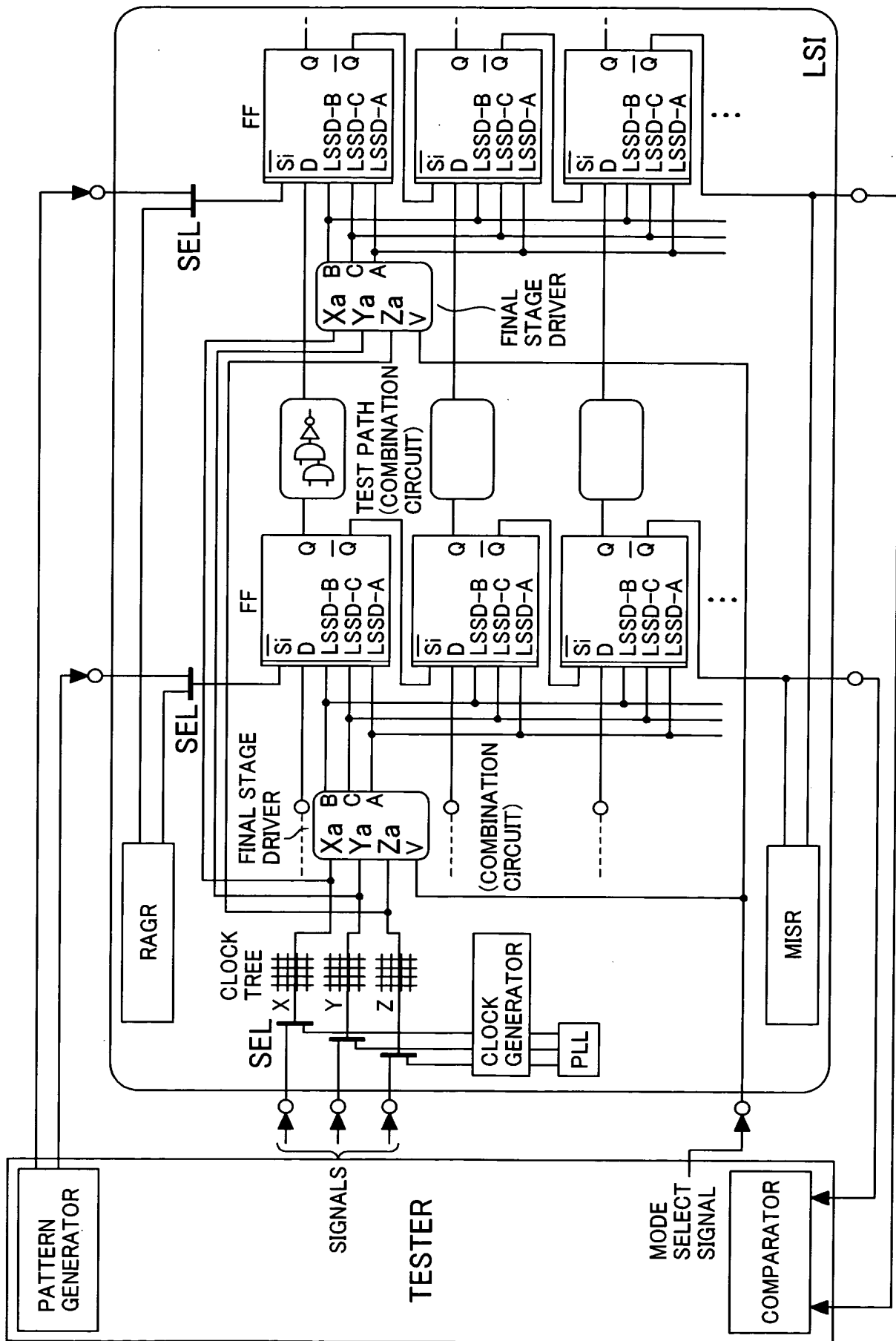


FIG.2

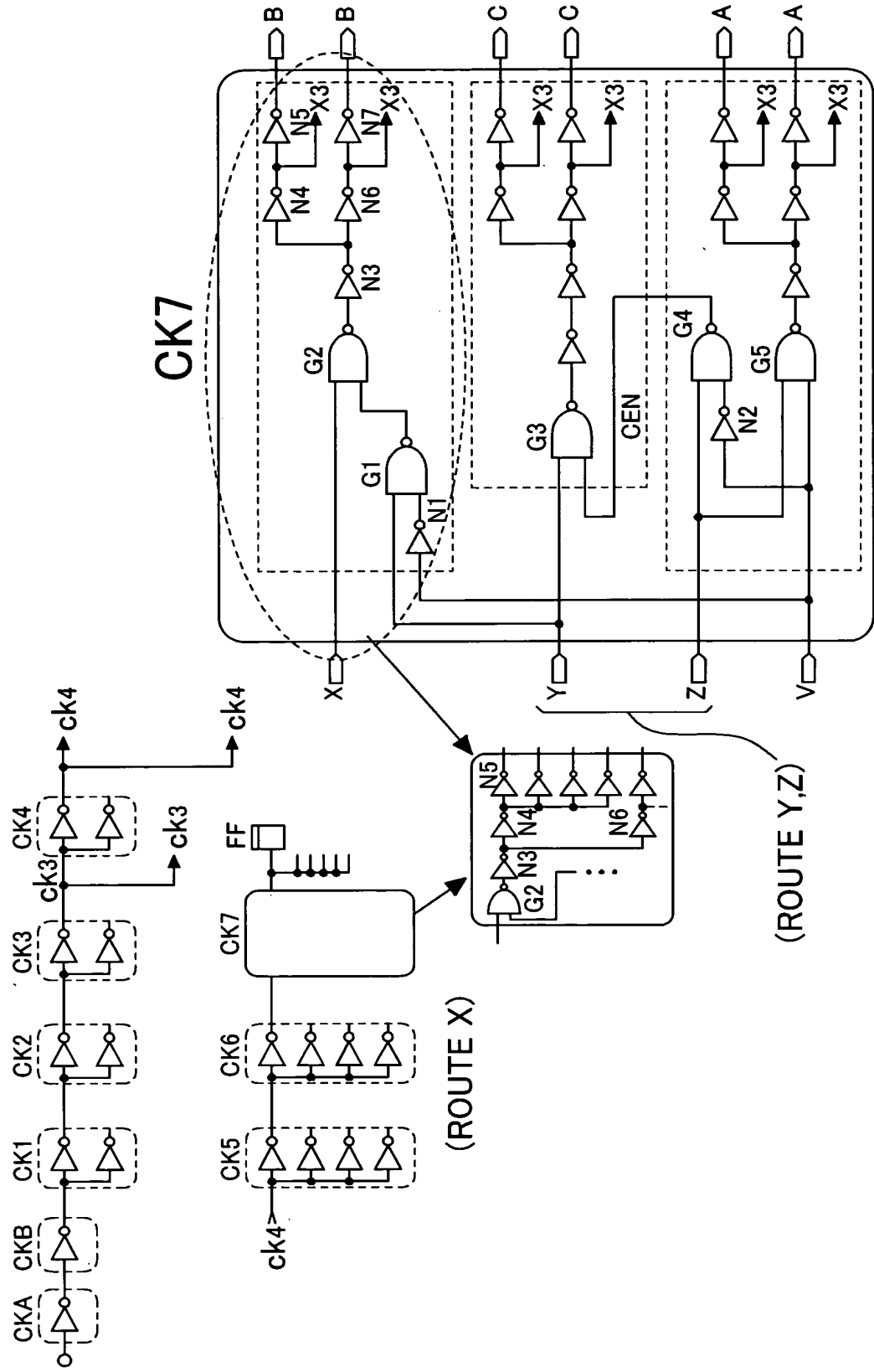


FIG.3

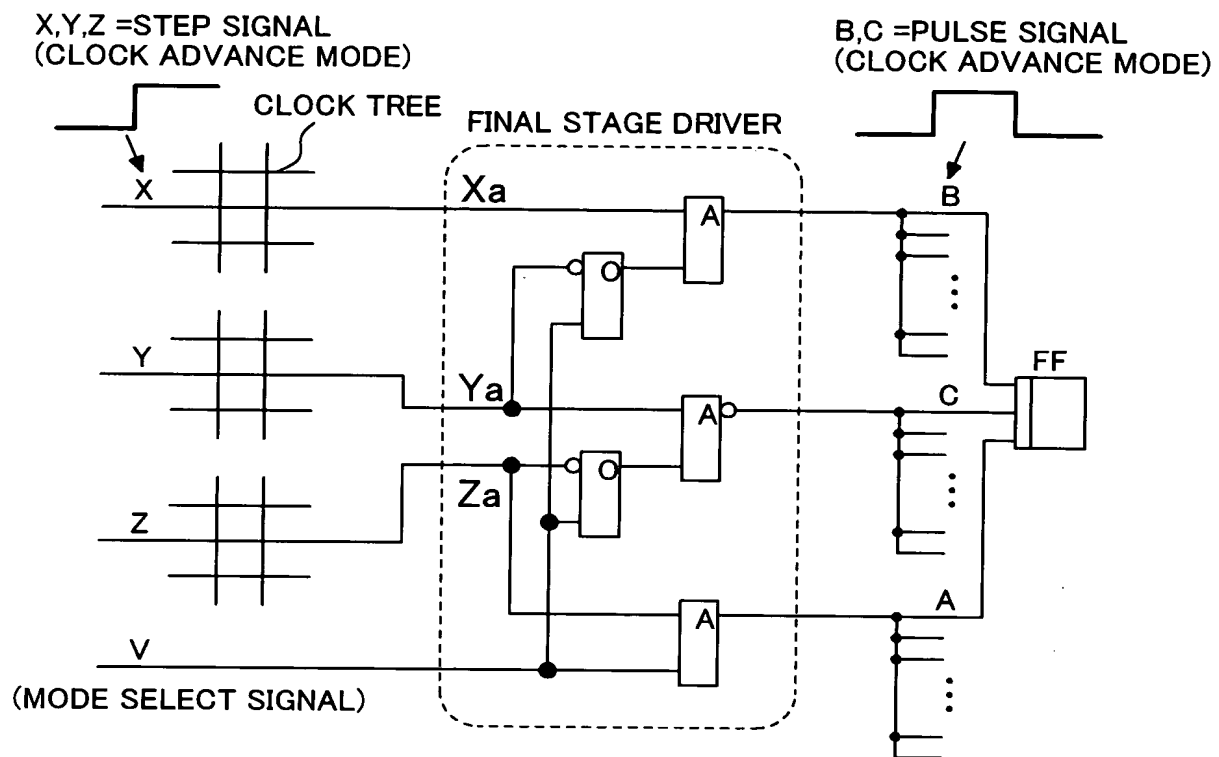
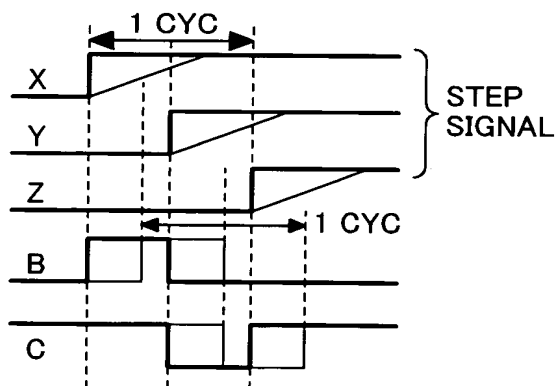


FIG.4

CLOCK ADVANCE MODE (V='L')



THROUGH MODE (V='H')

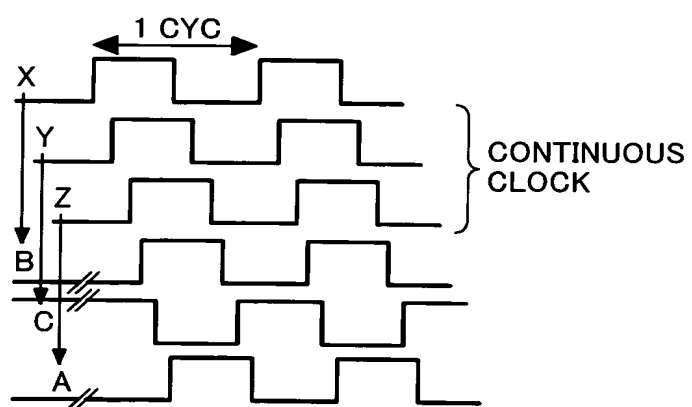


FIG.5

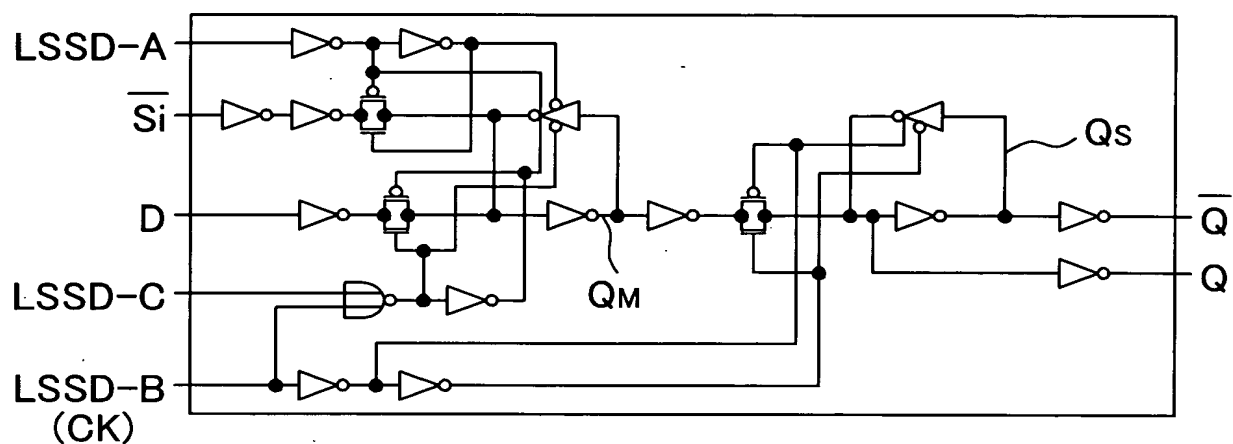


FIG.6

INPUT					INTERMEDIATE NODE		OUTPUT		NOTE
CK	D	LSSD-A	LSSD-C	\overline{Si}	QM	Qs	Q	\overline{Q}	
L	*	L	L	*	D	Qs-1	Qs	\overline{Qs}	NORMAL
H	*	L	L	*	QM-1	QM	Qs	\overline{Qs}	NORMAL
	L	L	L	*	L	QM	L	H	NORMAL
	H	L	L	*	H	QM	H	L	NORMAL
L	*	L	H	*	QM-1	Qs-1	Qs	\overline{Qs}	DIAGNOSTIC
H	*	L	H	*	QM-1	QM	Qs	\overline{Qs}	DIAGNOSTIC
L	*	H	H	L	H	Qs-1	Qs	\overline{Qs}	DIAGNOSTIC
L	*	H	H	H	L	Qs-1	Qs	\overline{Qs}	DIAGNOSTIC
*	*	H	L	*					PROHIBITED
H	*	H	H	*					PROHIBITED

FIG.7

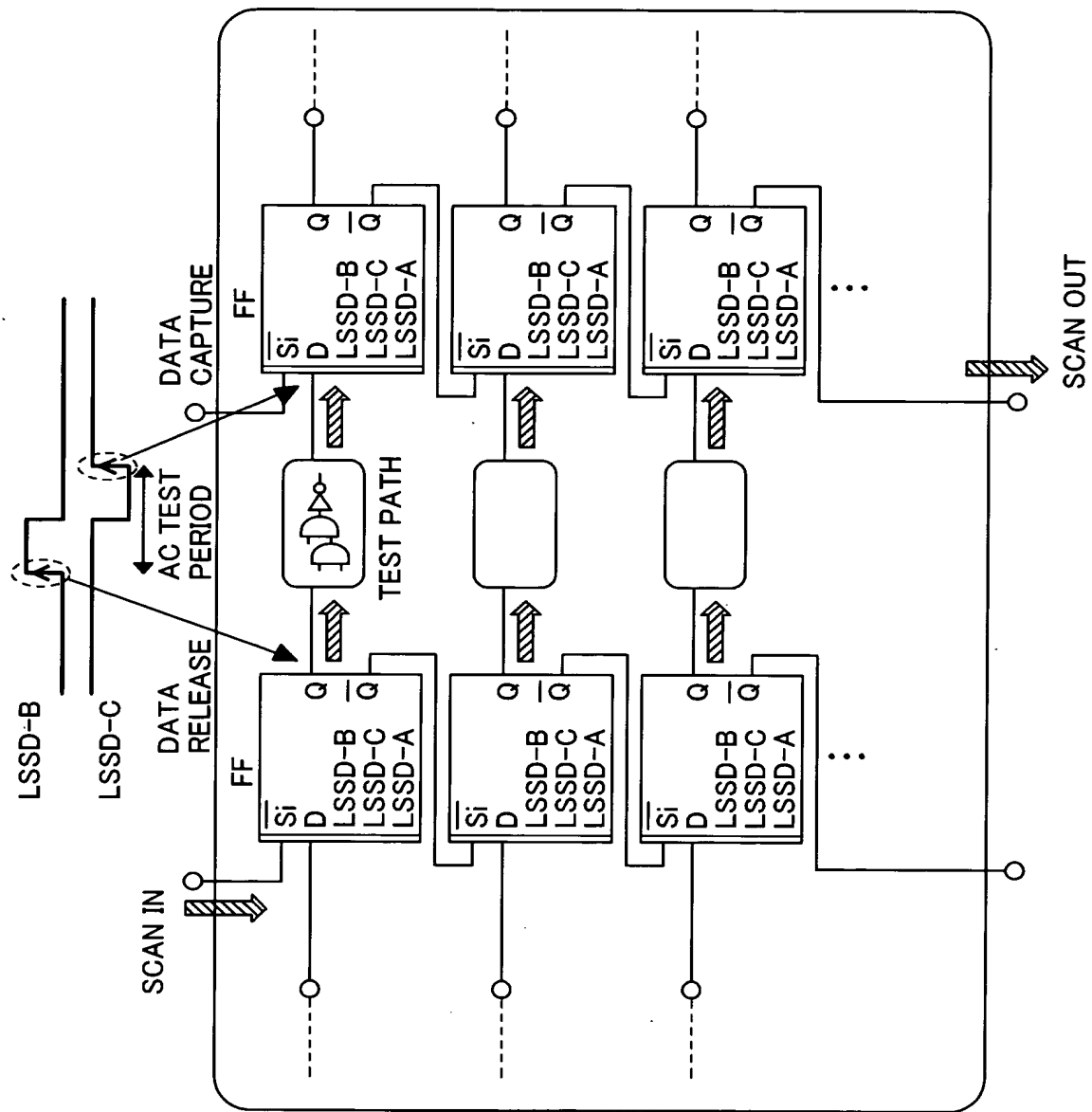


FIG.8A

FIG.8B

FIG.8C

FIG.8D

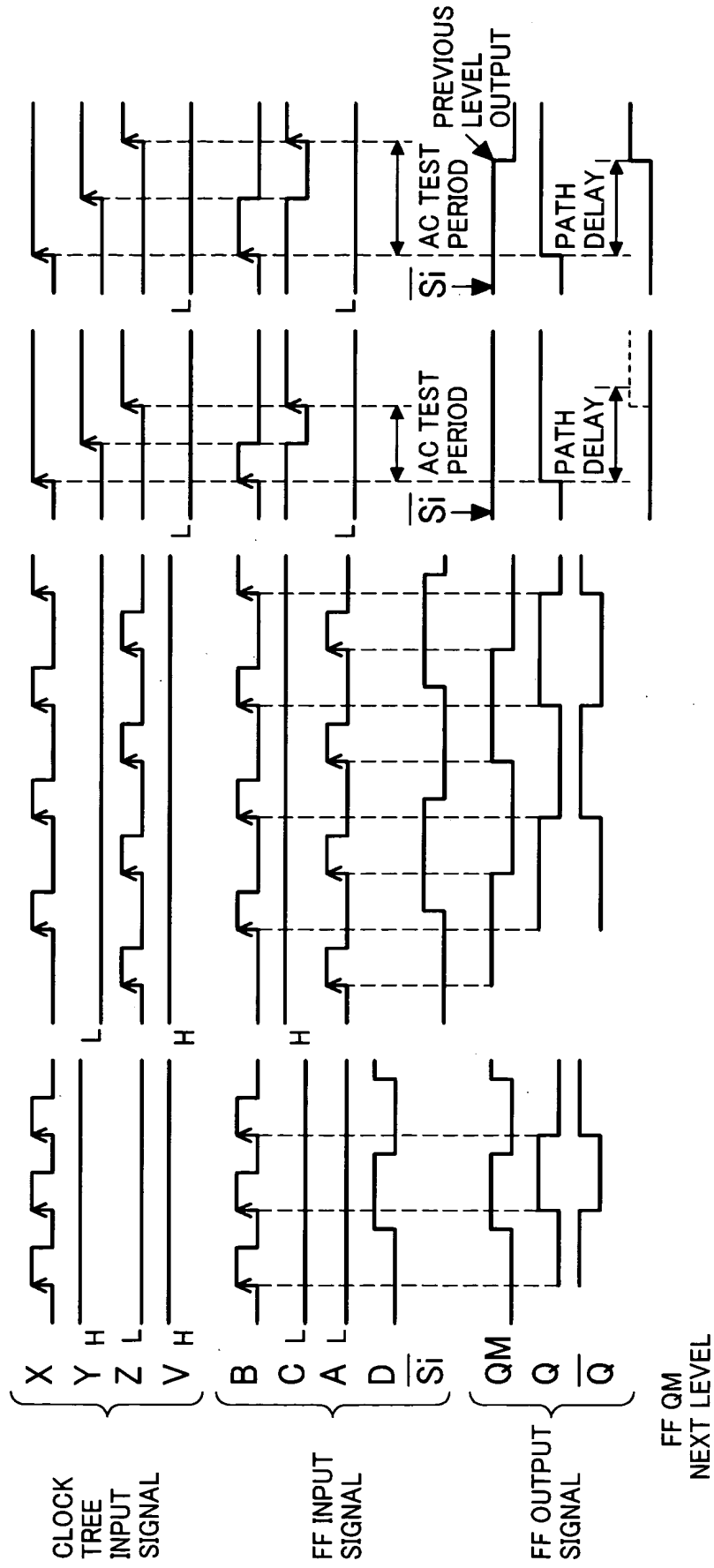


FIG.9

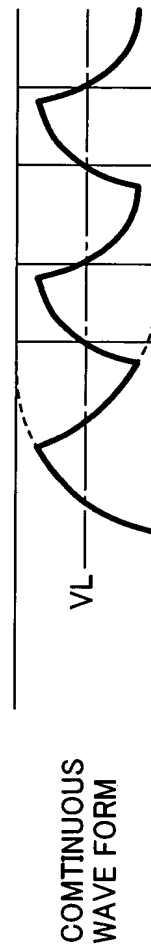
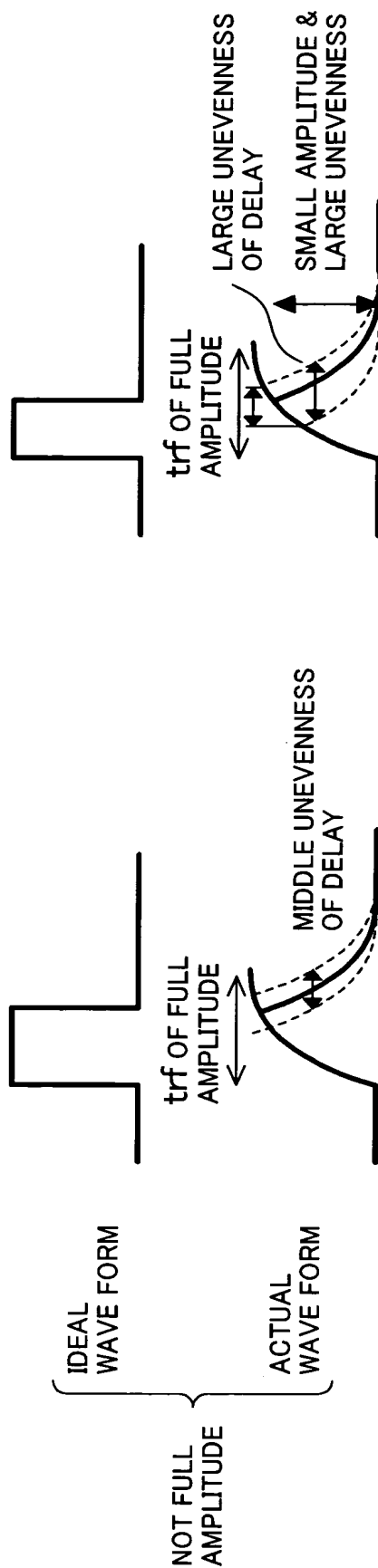
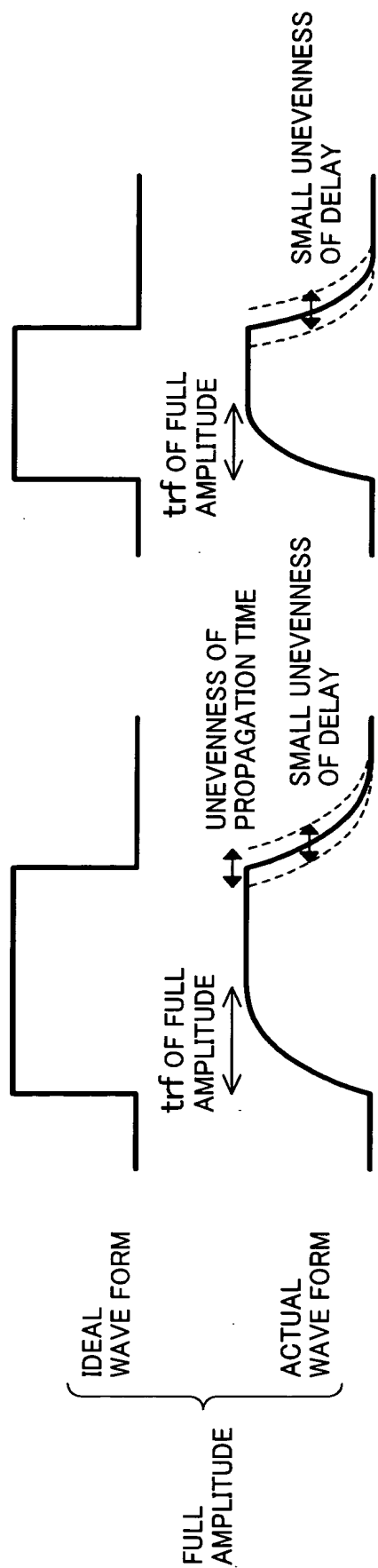


FIG.10

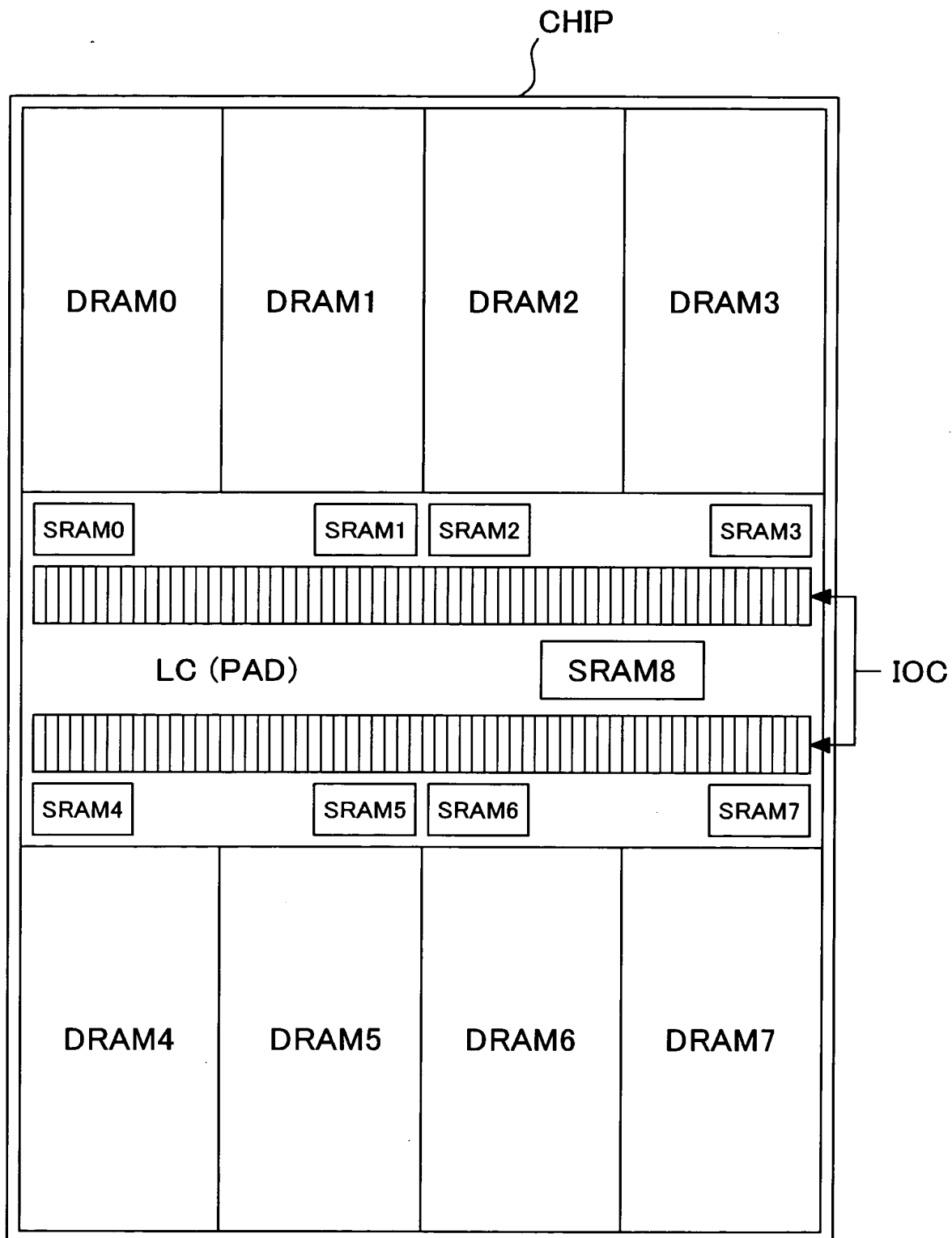


FIG.11

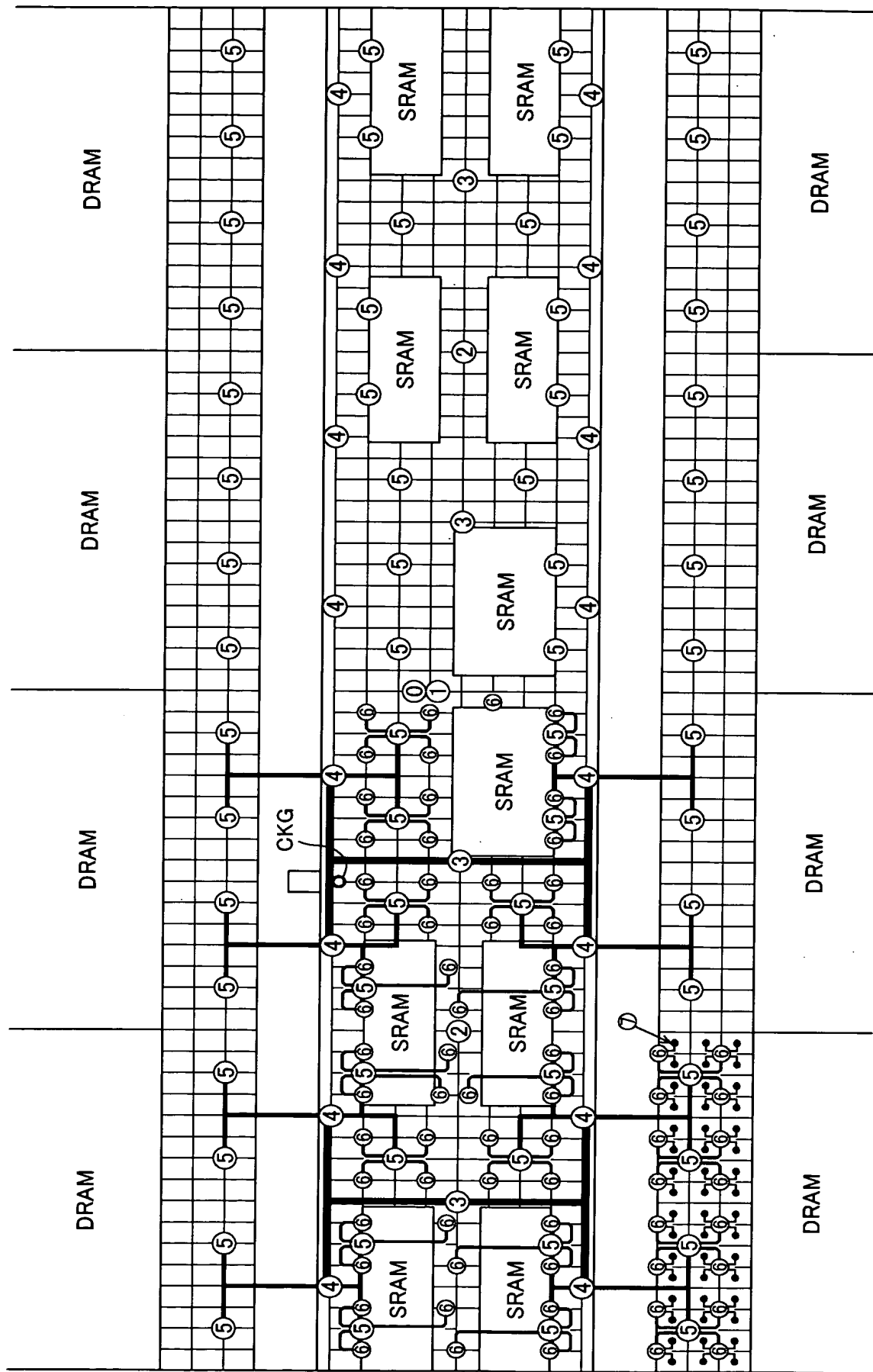


FIG.12

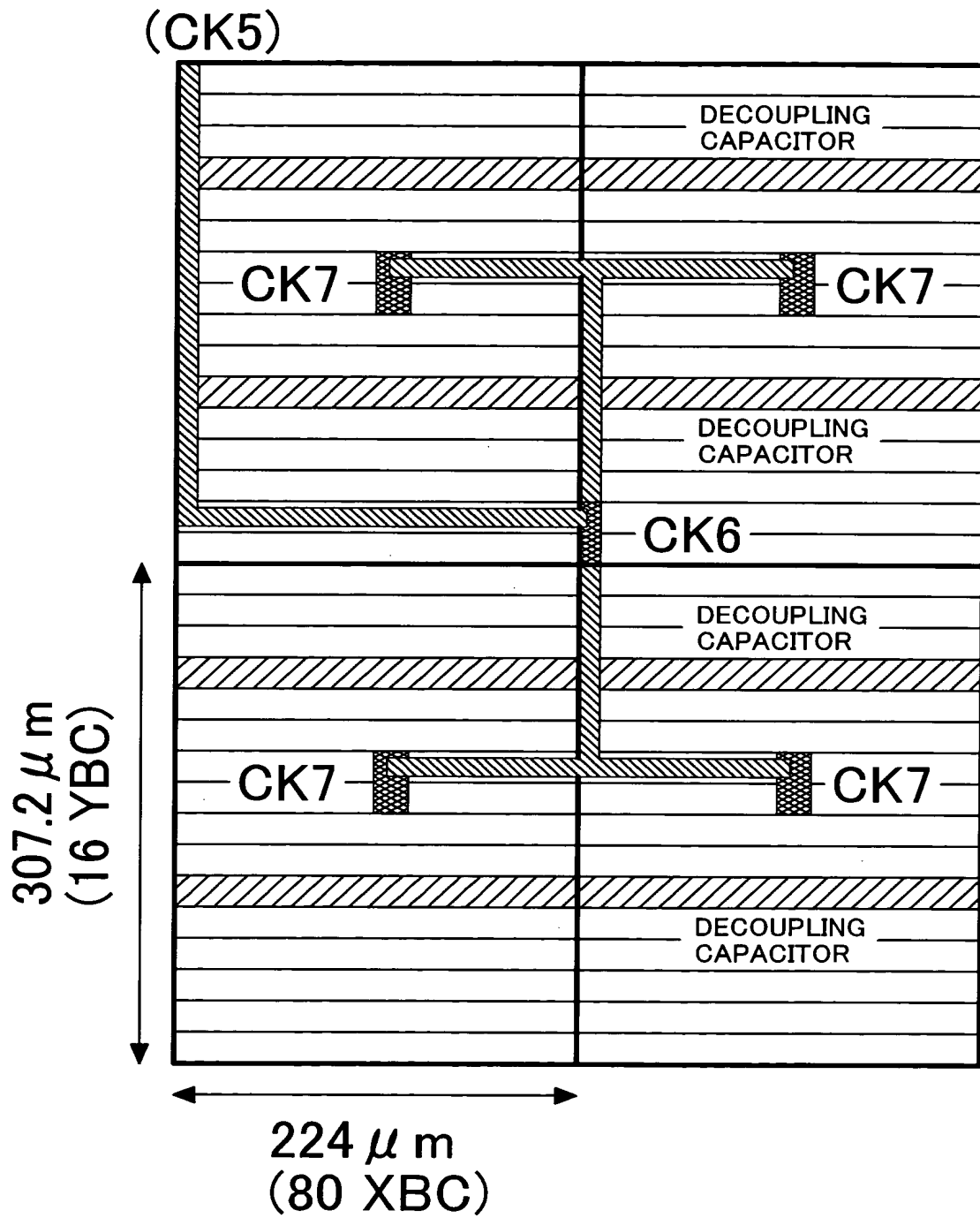


FIG.13

